

CCLD Staff opinion: Structural

Inquiry: 03-13

Subject: Table 1607.1 Minimum Uniformly Distributed Live Loads and Minimum Concentrated Live Loads, hotel and multiple-family dwelling corridor loads.

Code: 2007 MSBC

Submitted By: Meyer Borgman Johnson

Prepared By: Daniel Kelsey, P.E. and Beth Diem, Architect

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Question:

We would like for you to give a ruling on Residential loads from Table 1607.1 Minimum Uniformly Distributed Live Loads and Minimum Concentrated Live Loads.

The following is a direct quote from the table:

“28. Residential...Hotels and multiple-family dwellings

Private rooms and corridors serving them 40 PSF

Public rooms and corridors serving them 100 PSF

We interpret the “corridors serving” the private rooms as being corridors within the rooms and the corridors that link all the private rooms to the stairs as exit ways and as such would be required to be designed at 100psf.

Therefore, please define for us what constitutes “corridors serving” private rooms and whether or not corridors serving multiple private rooms are exit ways or not.

Answer:

A corridor that exclusively provides private access to, or private egress from multiple individual private rooms, such as Group R-1 hotel rooms, and multiple individual dwelling units, such as Group R-2 apartments, is to be designed for a minimum uniform live load of 40 psf. A corridor designed for a minimum uniform live load of 40 psf and is provided exclusively for serving individual sleeping units or dwelling units can be located either outside and/or inside the individual units.

Comments:

However exits, such as horizontal exits and exit passageways, may also be part of a corridor serving private rooms. If that is the case that portion of the corridor is to be designed to a minimum live load of 100 psf in accordance with Table 1607.1, line 38 Stairs and exits.